10/527725

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/527,725_
Source: _PCT_
Date Processed by STIC: _3-25-05_

ENTERED

RAW SEQUENCE LISTING   DATE: 03/25/2005
PATENT APPLICATION: US/10/527,725   TIME: 08:58:09

        Input Set : **E:\SEQID.ST25.txt**
        Output Set: **N:\CRF4\03252005\J527725.raw**

```
    3 <110> APPLICANT: Texas Tech University
    4       Shaw, Robert W.
    6 <120> TITLE OF INVENTION: Inhibition of metallo-beta-lactamase
    8 <130> FILE REFERENCE: 218601.00007
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/527,725
C--> 10 <141> CURRENT FILING DATE: 2005-03-14
   10 <160> NUMBER OF SEQ ID NOS: 6
   12 <170> SOFTWARE: PatentIn version 3.3
   14 <210> SEQ ID NO: 1
   15 <211> LENGTH: 16
   16 <212> TYPE: DNA
   17 <213> ORGANISM: artificial sequence
   19 <220> FEATURE:
   20 <223> OTHER INFORMATION: A 16 mer with a NdeI restriction site for SELEX.
   22 <400> SEQUENCE: 1
   23 gcgccatatg cgcgcg                                                    16
   26 <210> SEQ ID NO: 2
   27 <211> LENGTH: 15
   28 <212> TYPE: DNA
   29 <213> ORGANISM: artificial sequence
   31 <220> FEATURE:
   32 <223> OTHER INFORMATION: A 15 mer with a SecI restriction site for SELEX.
   34 <400> SEQUENCE: 2
   35 cgcgagctcc gcgcg                                                    15
   38 <210> SEQ ID NO: 3
   39 <211> LENGTH: 30
   40 <212> TYPE: DNA
   41 <213> ORGANISM: artificial sequence
   43 <220> FEATURE:
   44 <223> OTHER INFORMATION: This is the aptamer sequence after 16 rounds of SELEX.
   47 <220> FEATURE:
   48 <221> NAME/KEY: misc_feature
   49 <222> LOCATION: (2)..(2)
   50 <223> OTHER INFORMATION: n is A or T or G or C
   52 <220> FEATURE:
   53 <221> NAME/KEY: misc_feature
   54 <222> LOCATION: (4)..(4)
   55 <223> OTHER INFORMATION: n is A or T or G or C
   57 <220> FEATURE:
   58 <221> NAME/KEY: misc_feature
   59 <222> LOCATION: (6)..(6)
   60 <223> OTHER INFORMATION: N is A or T or G or C
   62 <220> FEATURE:
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 63 <221> NAME/KEY: misc_feature
 64 <222> LOCATION: (7)..(7)
 65 <223> OTHER INFORMATION: N is A or T or G or C
 67 <220> FEATURE:
 68 <221> NAME/KEY: misc_feature
 69 <222> LOCATION: (8)..(8)
 70 <223> OTHER INFORMATION: N is A or T or G or C
 72 <220> FEATURE:
 73 <221> NAME/KEY: misc_feature
 74 <222> LOCATION: (11)..(11)
 75 <223> OTHER INFORMATION: N is A or T or G or C
 77 <220> FEATURE:
 78 <221> NAME/KEY: misc_feature
 79 <222> LOCATION: (12)..(12)
 80 <223> OTHER INFORMATION: N is A or T or G or C
 82 <220> FEATURE:
 83 <221> NAME/KEY: misc_feature
 84 <222> LOCATION: (13)..(13)
 85 <223> OTHER INFORMATION: N is A or T or G or C
 87 <220> FEATURE:
 88 <221> NAME/KEY: misc_feature
 89 <222> LOCATION: (15)..(15)
 90 <223> OTHER INFORMATION: N is A or T or G or C
 92 <220> FEATURE:
 93 <221> NAME/KEY: misc_feature
 94 <222> LOCATION: (17)..(17)
 95 <223> OTHER INFORMATION: N is A or T or G or C
 97 <220> FEATURE:
 98 <221> NAME/KEY: misc_feature
 99 <222> LOCATION: (18)..(18)
100 <223> OTHER INFORMATION: N is A or T or G or C
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (20)..(20)
105 <223> OTHER INFORMATION: N is A or T or G or C
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (21)..(21)
110 <223> OTHER INFORMATION: N is A or T or G or C
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (25)..(25)
115 <223> OTHER INFORMATION: N is A or T or G or C
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (26)..(26)
120 <223> OTHER INFORMATION: N is A or T or G or C
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
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124 <222> LOCATION: (27)..(27)
125 <223> OTHER INFORMATION: N is A or T or G or C
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (28)..(28)
130 <223> OTHER INFORMATION: N is A or T or G or C
132 <400> SEQUENCE: 3
W--> 133 ancnannntt nnntngnngn ncatnnnnaa                                    30
136 <210> SEQ ID NO: 4
137 <211> LENGTH: 30
138 <212> TYPE: DNA
139 <213> ORGANISM: artificial sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: This is the aptamer 30-mer sequence after 21 rounds of
SELEX.
144 <400> SEQUENCE: 4
145 aaccaaactt ggatcggtgc acatgtcgaa                                       30
148 <210> SEQ ID NO: 5
149 <211> LENGTH: 10
150 <212> TYPE: DNA
151 <213> ORGANISM: artificial sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: This is a 10 mer that contains a specific stem loop
structure
157 <220> FEATURE:
158 <221> NAME/KEY: stem_loop
159 <222> LOCATION: (1)..(10)
161 <400> SEQUENCE: 5
162 ccaaacttgg                                                            10
165 <210> SEQ ID NO: 6
166 <211> LENGTH: 61
167 <212> TYPE: DNA
168 <213> ORGANISM: artificial sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: the aptamer (61-mer)
173 <400> SEQUENCE: 6
174 gcgccatatg cgcgcgaacc aaacttggat cggtgcacat gtcgaacgcg cggagctcgc      60
176 g                                                                     61
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/25/2005
PATENT APPLICATION: **US/10/527,725**   TIME: 08:58:10

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<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 2,4,6,7,8,11,12,13,15,17,18,20,21,25,26,27,28

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0